



Product Name	GAOTek E1 Battery Conductance Tester
Product SKU	GAOTek-EIT-168
Product URL	https://gaotek.com/product/gaotek-e1-battery-conductance-tester/



Table of Contents

1. Introduction	3
2. Main Functions And Features	3
2.1 Main Functions.....	3
2.2 Key Features.....	4
3. Specification	5
4. Packing List	6

GAOTek E1 Battery Conductance Tester



1. Introduction

Battery Conductance Tester is a multi-function and portable instrument, which can test battery running conditions and parameters quickly and precisely. It can display and record many key parameters for multi-battery string and battery cell's voltage, conductance, and connecting strip resistance, From these parameters, one can know if if the battery condition is good or bad. Which can connect with a PC, and use professional analysis software to make the format to record and follow up the battery condition change, so that technical and management personnel know in advance, and then they can do maintenance work for the battery.

2. Main Functions and Features

2.1 Main Functions

- Test the battery voltage, conductance, and connecting strip resistance online.
- Battery Conductance and Voltage out of range alarm.
- Battery parameters are marked by group No. to data management expediently.
- PC analysis software to realize record and follow up battery condition.
- Wide range of applications in industrial, telecommunication, Automotive, UPS, etc.



2.2 Key Features

- High precision online testing, fully automatic switch the testing range, large data storage
- Storage 999 group testing data (each group 999 batteries at most)
- Storage 500 groups battery setting parameters
- Battery capacity testing range: 5AH-6000AH
- Measure the DC voltage and conductivity of the cell at the same time
- 5inch color touch LCD screen
- Display the graph and bar chart analysis function
- Battery capacity analysis function, do the excellent, good, bad analysis
- Oscilloscope function: indicate the highest, lowest, and average voltage, and count the voltage wave (Optional function)
- Transmit the testing data to the PC to carry out an analysis of battery according to the history data.
- Strong data management function, do not connect with PC, can use
- Enhanced over voltage protecting function.
- Automatically recover the over-current protecting function.
- Use the SOC chip to improve the tester's
- stability.
- Large capacity Lithium and power adapter to ensure the power supply
- Low battery indication to guarantee test precision
- Small volume, lightweight
- Reverse polarity protection
- Automatic testing mode, for user convenience
 - Automatically analyze and judge the battery condition
 - Building the history database, describe the battery life span curve.
 - Contrastive analysis for each battery cell within the same battery string.
 - All batteries are administrated by different SOH (excellent, good, medium, and bad)



3. Specification

Description	Parameter
Testing Range	Conductance: 20-19990S Battery Voltage: 2V/6V/12V
Measurement Resolution	Conductance: 1S Voltage: 1mV
Measurement Precision	Conductance: $\pm 0.5\%$ rdg ± 6 dgt Voltage: $\pm 0.2\%$ rdg ± 6 dgt
Power Supply	11.1V, 2400mAh, rechargeable lithium battery
Battery Life	Work for 8 hours continuously
Storage Capacity	64Mbit Flash+ 4GSD
Display	5 Inch color touch LCD screen with backlight
Size	220 x 170 x 52mm
Weight	1.1Kg
Temperature	0 – 40°C
Humidity	5 - 95% RH (No condensation).

4. Packing List

No.	Items	Q'ty
1	Battery Conductance Tester	1 unit
2	Operation manual	1 unit
3	Product Certification	1 unit
4	Packing list	1 unit
5	Rechargeable battery	1 unit
6	Power supply adapter	1 unit
7	Testing Clamp (standard)	1 unit
8	Testing lead (optional)	1unit
9	CD	1 unit
10	SD card	1 unit
11	SD card reader	1 unit

